



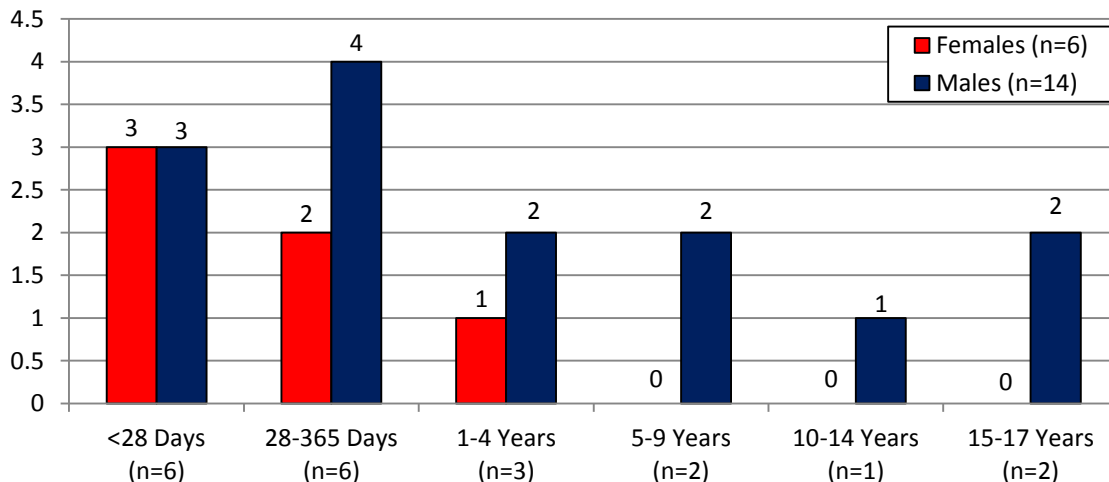
Arizona Child Fatality Review Program

2010 CHILD FATALITY REVIEW FOR GILA, GRAHAM, AND GREENLEE COUNTIES

DEMOGRAPHICS

This report provides information on the deaths of children who were residents of Gila, Graham, or Greenlee Counties. During 2010, there were 20 deaths among children younger than 18 years of age in the counties of Gila (n=12), Graham (n=6), and Greenlee (n=2). Males accounted for 70 percent of child deaths in these counties (n=14) and females accounted for 30 percent (n=6). Figure 1 shows deaths among children by sex and age group.

Figure 1. Deaths Among Children by Sex and Age Group, Gila, Graham, and Greenlee Counties, Arizona 2010 (n=20)

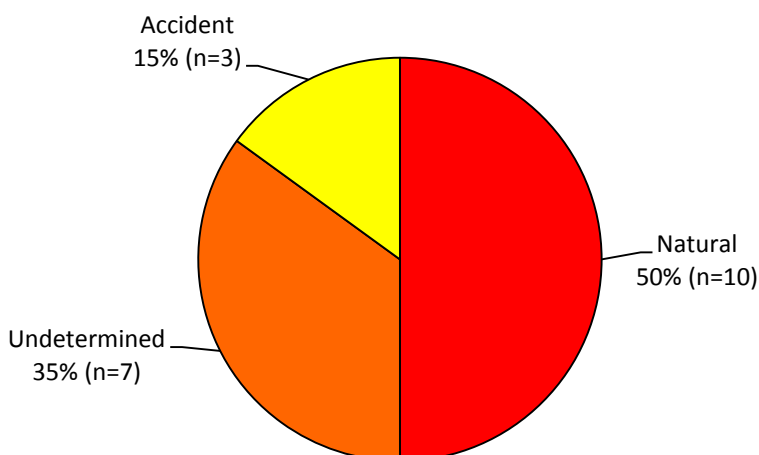


Deaths were over-represented among American Indian children in these counties. American Indian children comprised 20 percent of the population in these counties but 40 percent of the fatalities (n=8). White, Non-Hispanic children comprised 46 percent of the population and 30 percent of the fatalities (n=6). Hispanic children comprised 31 percent of the population and 25 percent of the fatalities (n=5).

CAUSE AND MANNER OF CHILD FATALITIES

Fifty percent of child deaths were due to natural manners (n=10), 35 percent were of an undetermined manner (n=7) and 15 percent were due to accidents (n=3). Figure 2 shows deaths among children by manner.

Figure 2. Deaths Among Children by Manner, Gila, Graham, and Greenlee Counties, Arizona 2010 (n=20)



Eight deaths were due to medical causes. Seven of the deaths determined to have been natural were the result of medical causes, and three were due to prematurity. One child died as a result of a motor vehicle crash and two children died as a result of a fall or crush. Table 1 shows deaths among children by cause and manner.

Table 1. Deaths Among Children by Cause and Manner, Gila, Graham, and Greenlee Counties, Arizona 2010 (n=20)				
Cause	Natural	Accident	Undetermined	Total
Other cause of death	0	1	0	1
Medical	7	0	1	8
Prematurity	3	0	0	3
Motor Vehicle Crash	0	1	0	1
Undetermined	0	0	4	4
Fall/Crush	0	1	1	2
Other injury	0	0	1	1
Total	10	3	7	20
*Excludes Prematurity and SIDS				

PREVENTABILITY

Child Fatality Review Teams consider a child's death preventable if something could have been done (by an individual such as the caregiver or supervisor, or by the community as a whole) that would have prevented the death. The Local Child Fatality

Review Team determined that 25 percent of the deaths among Gila, Graham, and Greenlee County children could have been prevented (n=5).

During the review of each child's death, teams identify factors believed to have contributed to the death. Although the presence of a contributing factor typically led to the determination that a death was preventable, this was not always the case. For example, the team might have concluded that an unsafe sleep environment (e.g. infant left sleeping on a couch) was a contributing factor in an unexpected infant death. However, the team may not have had sufficient information (e.g. autopsy report, adequate scene investigation) to determine if the death could have been prevented.

In Gila, Graham, and Greenlee Counties, substance use was a contributing factor for three child death (seven percent). Lack of supervision was a factor in two deaths (10 percent). Lack of vehicle restraint and co-sleeping were factors in one death each (five percent each). More than one factor may have been identified for each death. Table 2 shows the most common factors contributing to the deaths of child residents of Gila, Graham, and Greenlee Counties in 2010.

Table 2. Contributing Factors for Deaths Among Children, Gila, Graham, and Greenlee Counties, Arizona 2010		
Factor*	Number	Percent
Substance use	3	15%
Lack of supervision	2	10%
Lack of vehicle restraint	1	5%
Co-sleeping	1	5%
*More than one factor may have been identified for each death		

CHILD FATALITIES IN GILA, GRAHAM, AND GREENLEE COUNTIES COMPARED TO OTHER ARIZONA COUNTIES

This section provides comparisons between the deaths of children who resided in Gila, Graham, and Greenlee Counties and the deaths of children who resided in the remaining 12 Arizona counties. During 2010, 20 children who were residents of Gila, Graham, or Greenlee Counties died, and 821 children died who were residents of the other 12 counties. Gila, Graham, and Greenlee Counties had a crude rate of 81.6 child deaths per 100,000 residents, a higher rate than among the remainder of the state (51.2 deaths per 100,000 residents).

The percentage of preventable deaths among children in Gila, Graham, and Greenlee Counties was lower than the remaining counties. Twenty-five percent of the deaths of Gila County, Graham County, and Greenlee County children could have been prevented (n=5), compared to one-third of child deaths in the remaining counties (33 percent, n=274). The percentage of deaths where the team could not determine preventability in Gila, Graham and Greenlee Counties was 25 (n=6), compared to nine percent of the remaining counties (n=74).

Medical conditions were the leading cause of child deaths in Gila, Graham, and Greenlee Counties (40 percent) and for the remainder of Arizona (42 percent). Prematurity accounted for 15 percent of deaths in Gila, Graham, and Greenlee Counties and 23 percent for the rest of Arizona. Motor vehicle crashes accounted for 5 percent of deaths in Gila, Graham, and Greenlee Counties but seven percent in the remaining counties. Table 3 shows the leading causes of child deaths for Gila, Graham, and Greenlee Counties compared to the rest of Arizona.

Table 3. Leading Causes of Child Deaths, Gila, Graham, and Greenlee Counties, Arizona 2010			
Gila, Graham, and Greenlee Counties (n=20)		Arizona, Excluding Gila, Graham, and Greenlee Counties (n=821)	
Cause	Percent of Deaths	Cause	Percent of Deaths
Medical	40%	Medical	42%
Prematurity	15%	Prematurity	23%
Undetermined	20%	Undetermined	9%

In Gila, Graham, and Greenlee Counties, the largest percentage of deaths was due to natural manners (50 percent), a lower percentage than the remaining counties (67 percent). The second largest percentage of deaths was due to undetermined manners (35 percent), this is significantly higher than the remaining counties (eight percent). Accidental deaths comprised fifteen percent of the total child deaths in Gila, Graham and Greenlee Counties, compared to 18 percent for the remaining counties. There were no homicide deaths, suicides or deaths of an unknown manner in Gila, Graham and Greenlee counties in 2010. Table 4 shows deaths among children by manner for Gila, Graham, and Greenlee Counties compared to the rest of Arizona.

Table 4. Deaths Among Children by Manner, Gila, Graham, and Greenlee Counties, Arizona 2010			
Gila, Graham, and Greenlee Counties (n=20)		Arizona, excluding Gila, Graham, and Greenlee Counties (n=821)	
Manner	Percent of Deaths	Manner	Percent of Deaths
Natural	50%	Natural	67%
Accident	15%	Accident	18%
Suicide	0%	Suicide	3%
Homicide	0%	Homicide	4%
Undetermined	35%	Undetermined	8%
Unknown	0%	Unknown	<1%